

**Amendments to the Claims:**

This listing of claims will replace all prior versions and listings of claims in the application:

**Listing of Claims:**

1. (Previously Presented) A brake disk for a rail vehicle, the brake disk comprising:

a hub;

at least one friction ring having radial grooves and fastened by a clamping bolt to the hub;

sliding elements having a shank and being connected to the hub, the sliding elements engaging in the radial grooves for anti-rotation locking and centering of the at least one friction ring, and the sliding elements extending parallel to an axis of the clamping bolt.

2. (Currently Amended) The brake disk as claimed in claim 1, wherein each radial groove, starting from a through-hole of the friction ring and through which said through-hole the clamping bolt passes, is extended outward ~~toward~~ away from a center longitudinal axis of the hub.

3. (Previously Presented) The brake disk as claimed in Claim 1, wherein each sliding element is arranged in an insertion hole of the hub.

4. (Previously Presented) The brake disk as claimed in Claim 1, wherein each sliding element includes a head which is guided in an associated radial groove.

5. (Previously Presented) The brake disk as claimed in Claim 1, wherein each radial groove has a width of 10 mm.

6. (Previously Presented) The brake disk as claimed in Claim 1, wherein each sliding element is a straight pin.

7. (Previously Presented) The brake disk as claimed in Claim 1, wherein a head of each sliding element has a cross-section of a square.

8. (Previously Presented) The brake disk as claimed in Claim 1, wherein a head of each sliding element includes two sides which run parallel to one another and bear against side walls of an associated radial groove.

9. (Previously Presented) The brake disk as claimed in Claim 1, wherein each sliding element includes a polygonal-shaped head and a cylindrical shank integrally formed with the polygonal-shaped head by machining.

10. (Previously Presented) The brake disk as claimed in Claim 1, wherein the sliding elements are arranged in a symmetrically distributed manner over a circumference of the hub.

11. (Previously Presented) The brake disk as claimed in Claim 1, wherein one of 3, 6, 9 and 12 sliding elements are provided.

12. (Previously Presented) The brake disk as claimed in Claim 1, wherein at least seven sliding elements are provided.

13. (Previously Presented) The brake disk as claimed in Claim 1, wherein the number of sliding elements corresponds to the number of clamping bolts.

14. (Previously Presented) The brake disk as claimed in Claim 1, wherein each sliding element is a guide pin.

15. (Previously Presented) The brake disk as claimed in Claim 1, wherein each radial groove, starting from a through-hole of the friction ring and through which through-hole the clamping bolt passes, is extended inward toward a center longitudinal axis of the hub.

16. (Previously Presented) The brake disk as claimed in Claim 1, wherein each sliding element is arranged in an insertion hole of a hub flange.

17. (Previously Presented) The brake disk as claimed in Claim 1, wherein a head of each sliding element has a cross-section of a hexagon.

18. (Previously Presented) The brake disk as claimed in Claim 1, wherein a head of each sliding element has a cross-section of a polygon.

19. (Currently Amended) The brake disk as claimed in Claim 9, wherein the polygonal-shaped head is produced from polygonal-shaped steel.